

MATHEMATICS MAGAZINE

Index to Vol. XXII Sept. 1948 - June 1949

	Page
Abstract Isomorphisms—Duane Studley	191
A Geometry of Clocks—N. Y. Woodbridge	129
Algebra of Neural Sets—Duane Studley	125
Analytic Geometry — The Framework of Mathematics—Charles K. Robbins	201
An Approach to Non-Euclidean Trigonometry—Curtis M. Fulton	255
A New Least Square Line—G. A. Baker	199
A New Method for Summing Divergent Series—Glenn James	235
A Queer Set of Equations—William R. Ransom	165
A Remark on Mathematical Induction—V. L. Klees	52
A Simple Method for Approximating Logarithms—Edmund Churchill	277
Classroom Discussion of a Question on Infinite Series—H. A. Simmons	53
Comments on "Real Numbers for Freshmen"—Ralph Beatly	265
Equipartition of Convex Sets—R. C. and Ellen F. Buck	195
Extensors and the Lagrange Equation of Motion—Homer V. Craig	245
Five Requirements of Good Teaching—W. C. Krathwohl	47
Geometric Theorems in Dynamics—Edward Kasner and John DeCicco	223
Inquiries in Mathematics—Bancroft H. Brown	151
Minimum Property of the Symmedian Point—J. H. Butchart	166
On a Group of Contact Transformations—Nilos Sakellarion	13
On Certain Cases of Simple Exact Solutions of Flow Equations in a Compressible Partly Viscous Fluid—M. Z. Krzywoblocki	111
On Two New Chapters in the Theory of Probability—Maurice Frechet	1
Real Numbers for Freshmen—Marie Litzinger	263
Rigidity Restrictions on Analytic Loci—P. D. Thomas	109
Rooks and Rhymes—H. W. Becker	23
Singular Measurable Sets and Linear Functionals—J. P. LaSalle	67
Solutions of Systems of Linear Differential Equations as Entire Functionals of the Coefficient Functions—Aristotle D. Michal	57
Some Concepts of Elementary Topology—Dick Wick Hall	267
Some New Intrinsic Properties of Cubics and Quartics—J. Russell Frank	73
Sum of Two Squares—William R. Ransom	220
The Basic Concepts of Trigonometry—Estelle Mazziotta	139
The Complete Quadrilateral—Henry Fettis	19
The Fundamental Equations and Shock Conditions for Gases—T. Y. Thomas	169
The Gist of the Calculus—Glenn James	29
The Grammar of Algebra—E. Justin Hills	83
The Straight Line Treated by Translation and Rotation—Kenneth May	211
To Young Instructors of Mathematics—Helen G. Russell	55

Current Papers and Books

Advanced Calculus, David V. Widder. Review—H. S. Wall	159
College Algebra, M. Richardson. Review—Marion E. Stark	161
Comment on Two Papers by Pedro Piza—H. W. Becker	214
Elementary Differential Equations, L. M. Kells. Review—C. C. Torrance	27
Fundamentals of Statistics, J. B. Scarborough and R. W. Wagner. Review—A. M. Mood	216
Les Grands Courants de la Pensée Mathématique, F. Le Lionnais. Review—Homer V. Craig	157
Les Probabilités Associées à Un Système d'Événements Compatibles Et Dépendants. Maurice Fréchet. Review—Paul B. Johnson	81
Mathematics as a Culture Clue, and Other Essays, Cassius Jackson Keyser. Review—E. T. Bell	77

	Page
Modern Operational Calculus, N. W. McLachlan. Review—C. C. Torrance	158
Reply to A. M. Mood's Review in the March-April Mathematics Magazine—J. B. Scarborough and R. W. Wagner	252
Six-Place Tables, Edward S. Allen. Review—Marion E. Stark	80
Tables of Bessel Functions of Fractional Order, National Bureau of Standards. Review—Nathan Grier Parke III	214
The Strange Story of the Quantum, Banish Hoffman. Review—H. V. Craig	79
Theory of Functions, J. F. Ritt. Review—H. M. Gehman	28

Problems and Questions

<i>Proposals</i>	<i>Problems</i>	<i>Page</i>
Norman Anning	29	163
Anonymous	26	106
Julius Sumner	18	50
K. E. Cappel	25	106
Julius Sumner Miller	21, 36	51, 219
C. N. Mills	24	106
Leo Moser	17	50
Pedro Piza	22	51
F. M. Steadman	33	164
W. R. Talbot	28	163
V. Thebault	19, 20, 23, 30, 31, 32, 34, 35	50, 51, 164, 219
C. W. Trigg	27	163
<i>Solutions</i>		
Howard Eves	16, 18, 20, 22, 21	48, 101-4-5, 218
Francis L. Miksa	5	49
Pedro A. Piza	7	49
C. D. Smith	27	218
C. W. Trigg	19, 23, 17, 22	102, 106, 162

Our Contributors (Biographic Sketches)

*Inside Back
Cover of No.:*

Ralph Beatley	5
H. W. Becker	1
Bancroft H. Brown	3
Ellen F. Buck	4
Edmund Churchill	5
R. Creighton Buck	4
John DeCicco	5
Henry E. Fettis	1
J. Russell Franks	2
Curtis M. Fulton	5
Dick Wick Hall	5
Glenn James	1
Edward Kasner	5
M. Z. Krzywoblocki	3
Joseph P. LaSalle	2
Marie Litzinger	5
Nilos Sakellariou	1
Duane M. Studley	3
Tracy Y. Thomas	4
Margaret Young Woodbridge	4

ge
58
52
0
4
9
8

e
3
6
0
6
9
6
0
1
4
3
9
3

8
9
9
8
2

t
5
1
3
4
1
1